

Assignment 5

<?php

Q1 - Display

```
$color = ['white', 'green', 'red'];
foreach($color as $c)
    echo "$c,";
echo "<ul>";
sort($color);
foreach ($color as $c)
    echo "<li>$c";
echo "</ul>";
```

//Q2 - Delete & sort array

```
$x = [1, 2, 3, 4, 5];
var_dump($x); //array(5) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(4) [4]=> int(5) }
unset($x[3]);
sort($x);
var_dump($x); //array(4) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(5) }
```

//Q3 - Print first element of the array

```
$color = array(4 => 'white', 6 => 'green', 11 => 'red');
echo pos($color); //white
```

//Q4 - Calculate & display average, five lowest & five highest temperature

```
$temp = [78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74, 62, 62, 65, 64, 68, 73, 75, 79, 73];
function addUp($temp) {
    $s = 0;
    foreach($temp as $i)
        $s += $i;
    echo "Average temperature: ".$s / count($temp); //Average temperature: 69.766666666667
    echo "<br>";
    $temp = array_unique($temp);
    sort($temp);
    for($i = 0; $i < 5;)
        echo $temp[$i++].", "; //60, 62, 63, 64, 65,
    echo "<br>";
    rsort($temp);
    for($i = 4; $i >= 0;)
        echo $temp[$i--].", "; //75, 76, 78, 79, 85,
}
addUp($temp);
```

//Q5 - Merge (by index) two arrays

```
$a1 = array( array(77, 87), array(23, 45) );  
$a2 = array("w3resource", "com");  
print_r(array_merge($a1, $a2)); //Array ( [0] => Array ( [0] => 77 [1] => 87 ) [1] => Array ( [0] => 23 [1] => 45  
 ) [2] => w3resource [3] => com )
```

//Q6 - Print largest key in an array

```
$a1 = array(1 => 'one', 2 => 'two', 'c' => 'three');  
echo max(array_keys($a1)); //c
```

//Q7 - Shortest/Longest string length

```
$chrs = array("abcd", "abc", "de", "hjjj", "g", "wer");  
$lens = array_map('strlen', $chrs);  
echo "Shortest string length: ".min($lens); //Shortest string length: 1  
echo "Longest string length: ".max($lens); //Longest string length: 4
```

//Q8 - Change case of values

```
$arr = array('A' => "Blue", 'B' => "Green", 'C' => "Red");  
//change case of values  
print_r(array_map('strtolower', $arr)); //Array ( [A] => blue [B] => green [C] => red )  
print_r(array_map('strtoupper', $arr)); //Array ( [A] => BLUE [B] => GREEN [C] => RED )
```

?>